



and digital signing said ticket with a private key of said key device.

47. A method of using tickets issued from a key device to open a lock device, comprising:

broadcasting a service offer from said lock device;

sending a key device identifier stored in said ticket to said lock device;

sending a random number from said lock device to said key device;

encrypting said random number and sending said encrypted random number and said ticket to said lock device;

decrypting said encrypted random number in said lock device and comparing with said random number;

opening said lock device if the comparison is a match.

48. The method according to claim 47, further comprising:

verifying said ticket in said lock device after said comparing and before said opening;

said verifying including decrypting the checksum with a public key; determining the access rights of the grantor; and determining the derivative level of the ticket.